

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Not for submission under 37 CFR 1.99)</i>	Application Number	10541496
	Filing Date	2006-01-12
	First Named Inventor	Heinz-Dieter Metzemacher
	Art Unit	3742
	Examiner Name	Robinson, D. L.
	Attorney Docket Number	5628-26320

U.S.PATENTS						<input type="button" value="Remove"/>
Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
/D.R./	1	4739007		1988-04-19	Okada et al.	
	2	4664820		1987-05-12	Magauran et al.	
	3	4695402		1987-09-22	Finlayson et al.	
	4	4866018		1989-09-12	Elliot	
	5	4402881		1983-09-06	Alther	
	6	3576388		1971-04-27	Burns	
	7	4255318		1981-03-10	Kaide et al.	
/D.R./	8	4391637		1983-07-05	Mardis et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		Application Number	10541496
		Filing Date	2006-01-12
		First Named Inventor	Heinz-Dieter Metzemacher
		Art Unit	3742
		Examiner Name	Robinson, D. L.
		Attorney Docket Number	5628-26320

/D.R./	9	4517112		1985-05-14	Mardis et al.	
	10	4474706		1984-10-02	Clay et al.	
	11	4517112		1985-05-14	Mardis et al.	
	12	4546126		1985-10-08	Breitenfellner, et al.	
	13	4472538		1985-09-18	Kamigaito et al.	
	14	4582866		1986-04-15	Shain	
	15	4874728		1989-10-17	Elliot et al.	
	16	5017637		1991-05-21	Smith et al.	
	17	5132350		1992-07-21	Keogh	
	18	5236985		1993-08-17	Hayami	
/D.R./	19	5429999		1995-07-04	Nae et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /D.R./

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		Application Number	10541496
		Filing Date	2006-01-12
		First Named Inventor	Heinz-Dieter Metzemacher
		Art Unit	3742
		Examiner Name	Robinson, D. L.
		Attorney Docket Number	5628-26320

/D.R./	20	5554670		1996-09-10	Giannelis et al.	
	21	4558075		1985-12-10	Suss et al.	
	22	5773502		1998-06-30	Takekoshi, et al.	
	23	5827906		1998-10-27	Metzemacher et al.	
	24	6034163		2000-03-07	Barbee et al.	
	25	6130256		2000-10-10	Nao	
	26	6139962		2000-10-31	Herget et al.	
	27	6380295		2002-04-30	Ross et al.	
	28	6794437		2004-09-21	Ross et al.	
▼	29	6605655		2003-08-12	Kato et al.	
/D.R./	30	4708975		1987-11-24	Shain	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Not for submission under 37 CFR 1.99)</i>		Application Number	10541496
		Filing Date	2006-01-12
		First Named Inventor	Heinz-Dieter Metzemacher
		Art Unit	3742
		Examiner Name	Robinson, D. L.
		Attorney Docket Number	5628-26320

/D.R./	31	4777206		1988-10-11	Rittler	
	32	4826899		1989-05-02	Rees	
	33	5091462		1992-02-25	Fukui et al.	
	34	5164460		1992-11-17	Yano et al.	
	35	5780376		1998-07-14	Gonzales et al.	
	36	6084008		2000-07-04	Liu	
	37	6414070		2002-07-02	Kausch et al.	
	38	6451895		2002-09-17	Topolkaraev et al.	
	39	6492453		2002-12-10	Ebrahimian et al.	
▼	40	6583209		2003-06-24	Mehta et al.	
/D.R./	41	6610770		2003-08-26	Ross et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Not for submission under 37 CFR 1.99)</i>		Application Number	10541496
		Filing Date	2006-01-12
		First Named Inventor	Heinz-Dieter Metzemacher
		Art Unit	3742
		Examiner Name	Robinson, D. L.
		Attorney Docket Number	5628-26320

/D.R./	42	6632868		2003-10-24	Qian et al.	
/D.R./	43	6649713		2003-11-18	Tang et al.	
	44	6683122		2004-01-27	Zilg et al.	
	45	6759464		2004-07-06	Ajbani et al.	
	46	6794437		2004-09-21	Ross et al.	
/D.R./	47	6822035		2004-11-23	Chaiko	

If you wish to add additional U.S. Patent citation information please click the Add button.

U.S.PATENT APPLICATION PUBLICATIONS

Examiner Initial*	Cite No	Publication Number	Kind Code†	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
/D.R./	1	20060155018		2006-07-13	Metzemacher et al.	
/D.R./	2	20070072980		2007-03-29	Seeling et al.	
/D.R./	3	20070072980		2007-03-29	Rainer et al.	

If you wish to add additional U.S. Published Application citation information please click the Add button.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /D.R./

INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Not for submission under 37 CFR 1.99)</i>		Application Number		10541496	
		Filing Date		2006-01-12	
		First Named Inventor		Heinz-Dieter Metzemacher	
		Art Unit		3742	
		Examiner Name		Robinson, D. L.	
		Attorney Docket Number		5628-26320	

FOREIGN PATENT DOCUMENTS							Remove	
Examiner Initial*	Cite No	Foreign Document Number ³	Country Code ² 	Kind Code ⁴	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear	T5
/D.R./	1	55112248	JP		1980-08-29	Eurukawa Electric Co. Ltd.	abstract	<input type="checkbox"/>
/D.R./	2	62101644	JP		1987-05-12	Sumitomo Bakelite Co. Ltd.	abstract	<input type="checkbox"/>
/D.R./	3	62181144	JP		1987-08-08	Toray Industries	abstract	<input type="checkbox"/>
	4	63030588	JP		1988-02-09	Fujikura Ltd		<input checked="" type="checkbox"/>
	5	63260957	JP		1988-10-27	Yoshito	abstract	<input type="checkbox"/>
	6	63273693	JP		1988-11-10	Hitachi Cable Ltd.	abstract	<input type="checkbox"/>
	7	10139998	JP		1998-05-26	Kiyoji et al.		<input checked="" type="checkbox"/>
	8	11228748	JP		1999-08-24	Sckiscu Chem Co. Ltd.	abstract	<input type="checkbox"/>
/D.R./	9	10204298	JP		1998-08-04	Kyowa Chem Co. Ltd;		<input checked="" type="checkbox"/>

INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Not for submission under 37 CFR 1.99)</i>				Application Number		10541496
				Filing Date		2006-01-12
				First Named Inventor		Heinz-Dieter Metzemacher
				Art Unit		3742
				Examiner Name		Robinson, D. L.
				Attorney Docket Number		5628-26320

/D.R./	10	97/31873	WO		1997-09-04	Southern Clay	<input type="checkbox"/>
	11	995630	JP		1997-04-08	Kensuke	<input checked="" type="checkbox"/>
	12	0066657	WO		2000-11-09	Alcan Int. Ltd.	<input type="checkbox"/>
	13	0078540	WO		2000-12-28	Singh	<input type="checkbox"/>
	14	02100936	WO		2002-12-19	Dias	<input type="checkbox"/>
	15	0140369	WO		2001-06-07	Bagrodia et al.	<input type="checkbox"/>
↓	16	9730950	WO		1997-08-28	Gonzales et al.	<input type="checkbox"/>
/D.R./	17	1118723	GB		1968-07-03	Dunning	<input type="checkbox"/>

If you wish to add additional Foreign Patent Document citation information please click the Add button

NON-PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T5
/D.R./	1	Giannelis "Flame Retardant Nanocomposite Materials", Annual Conference on Fire Research NISTIR 6242, November 2-5, 1998, pages 39-40.	<input type="checkbox"/>

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /D.R./

INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Not for submission under 37 CFR 1.99)</i>		Application Number	10541496
		Filing Date	2006-01-12
		First Named Inventor	Heinz-Dieter Metzemacher
		Art Unit	3742
		Examiner Name	Robinson, D. L.
		Attorney Docket Number	5628-26320

/D.R./	2	Miller, ed. "Tiny Clay Particles pack potent properties punch" Plastics World, October 1997, pages 36-38.	<input type="checkbox"/>
	3	LIU, Y. et al., "Preparation of polypropylene/polystyrene/montmorillonite nano-composites", China Plastics, Vol. 16, No. 2, February 2002.	<input type="checkbox"/>
	4	Kyaowa Chemical Industry Co., Ltd. Product "Additives for Resins", 1997, 2 pages	<input type="checkbox"/>
	5	Gilman et al. " Nanocomposites: A Revolutionary New Flame Retardant Approach," SAMPLE Journal, Vol. 33 No. 4, 1997, pps 40-46.	<input type="checkbox"/>
	6	Gilman et al. "Flammability and Thermal Stability Studies of Polymer Layered -Silicate (Clay) Nanocomposites-II" Flame Retardancy, 10th Annual BCC Conference, May 24-26, 1999, pp. 1-11.	<input type="checkbox"/>
	7	Notice of Opposition to EP Patent No. 1560879 filed March 7, 2007 17 pages.	<input type="checkbox"/>
	8	Notice to of Opposition to EP Patent No. 1177252, filed March 15, 2006, 11 pages.	<input type="checkbox"/>
	9	Notice to of Opposition to EP Patent No. 1177252, filed February 24, 2006, 6 pages.	<input type="checkbox"/>
↓ /D.R./	10	Observations by Third Party to EP Patent Application No. 00910805 filed September 9, 2004, 8 pages	<input type="checkbox"/>

If you wish to add additional non-patent literature document citation information please click the Add button

EXAMINER SIGNATURE

Examiner Signature	/Daniel Robinson/	Date Considered	07/07/2008
--------------------	-------------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /D.R./